



Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 05.23.2019

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Bugsaw

SECTION 1: Identification

Product identifier

Product name: Bugsaw

Product code: ST-200

Recommended use of the product and restriction on use

Relevant identified uses: General Purpose Cleaner, Liquid Foaming Detergent

Uses advised against: NA

Reasons why uses advised against: Not determined or not applicable.

Manufacturer or supplier details

Manufacturer:

United States

JBS Industries

2550 Henkle Drive

Lebanon, Ohio 45036

513-228-2800

SBAETEN@JBSINDUSTRIES.COM

Emergency telephone number:

North America

CHEMTREC

800-424-9300 (24 hours)

SECTION 2: Hazard(s) identification

GHS classification:

Skin irritation, category 2

Eye irritation, category 2A

Skin sensitization, category 1

Carcinogenicity, category 2

Specific target organ toxicity - repeated exposure, category 2

Label elements

Hazard pictograms:



Signal word: Warning

Hazard statements:

H315 Causes skin irritation

H319 Causes serious eye irritation

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H317 May cause an allergic skin reaction

H351 Suspected of causing cancer.

H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements:

P264 Wash contaminated area thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection

P261 Avoid breathing dust/fume/gas/mist/vapors/spray

P272 Contaminated work clothing must not be allowed out of the workplace

P202 Do not handle until all safety precautions have been read and understood

P302+P352 IF ON SKIN: Wash with plenty of water for 15 minutes.

P362 Take off contaminated clothing and wash it before reuse

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337+P313 If eye irritation persists: Get medical advice/attention

P333+P313 If skin irritation or rash occurs: Get medical advice/attention

P405 Store locked up

P501 It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities.

Hazards not otherwise classified: None

SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	1-5
CAS number: 6834-92-0	Disodium metasilicate	1-5
CAS number: 64-02-8	Tetrasodium ethylenediamine tetraacetate	0.37-1.95
CAS number: 61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	1-6
CAS number: 8028-48-6	Orange, sweet, ext.	1-10
CAS number: 68131-40-8	Alcohols, secondary C11-15, ethoxylated	1-5
CAS number: 84133-50-6	Alcohols, C12-14-secondary, ethoxylated	1-5
CAS number: 68131-39-5	Alcohols, C12-15, ethoxylated	1-8

Additional Information: None

SECTION 4: First aid measures

Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance

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After inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If symptoms develop or persist, seek medical advice/attention

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention

After skin contact:

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention

Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention

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Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse. If symptoms develop or persist, seek medical advice/attention

After eye contact:

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

Rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

Rinse eyes with plenty of water for several minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. If symptoms develop or persist, seek medical advice/attention

After swallowing:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse

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mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention
If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. If symptoms develop or persist, seek medical advice/attention
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Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Symptoms may include redness, pain, burning and inflammation
Symptoms may include irritation, redness, pain, inflammation, itching, burning and tearing
Symptoms may include irritation, redness, pain, rash, inflammation, itching, burning and dermatitis

Delayed symptoms and effects:

Effects are dependent on exposure (dose, concentration, contact time)
Effects are dependent on exposure (dose, concentration, contact time)
Effects are dependent on exposure (dose, concentration, contact time)
Suspected of causing cancer. Effects are dependent on exposure (dose, concentration, contact time)
May cause damage to organs through prolonged or repeated exposure

Immediate medical attention and special treatment

Specific treatment:

Effects are dependent on exposure (dose, concentration, contact time)

Notes for the doctor:

Treat symptomatically

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media:

Alcohol- resistant foam, Dry chemical or Carbon dioxide

Unsuitable extinguishing media:

None known
Do not use water jet as an extinguisher

Specific hazards during fire-fighting:

Evacuate all personnel to a predetermined safe location, no less than 2,500 feet in all directions. Can explode or detonate under fire conditions. Burning material may produce toxic vapors

Special protective equipment for firefighters:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA)

Special precautions:

Avoid inhaling gases, fumes, mist, dust, vapor or aerosols. Avoid contact with eyes, skin, hair or clothing

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SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Shut off all possible sources of ignition and avoid friction and impact
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS
Isolate and post spill area. Remove all sources of ignition. Ventilate the area. Wear suitable protective clothing, gloves and eye/face protection. For personal protection see section 8
Respiratory protection may be necessary for spills greater than 5 gallons. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8
Wear recommended personal protective equipment (See Section 8)
Avoid contact with eyes, skin and clothing. Eliminate all sources of ignition
Ensure adequate ventilation

Environmental precautions:

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided
If contamination of sewers or waterways has occurred advise local emergency services
Avoid discharge into drains, water courses or onto the ground. Prevent further leakage if safe to do so.
Inform authorities if spill cannot be contained
Keep material out of lakes, streams, ponds, and sewer drains

Methods and material for containment and cleaning up:

Carefully sweep material into a designated PLASTIC waste container. Collect in plastic containers only
Contain and soak up spill with absorbent that does not react with spilled product. Place used absorbent into suitable, covered, labelled containers for disposal
Clean and neutralize spill area, tools and equipment by washing with water and soap. Absorb, reinstate and add to the collected waste. Waste must be classified and labeled prior to recycling or disposal. Dispose of waste as indicated in Section 13

Reference to other sections:

For further information refer to section 7 and section 13

SECTION 7: Handling and storage

Precautions for safe handling:

Wear gloves and eye protection when handling, moving or using this product. Do not contaminate water, food, or feed by storage or disposal.
Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke, or use personal products when handling chemical substances.
Avoid breathing dust/ fume/ gas/mist/vapors/spray. Keep away from all sources of ignition. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities:

Store in a cool, dry, well ventilated place. Store away from sources of heat or ignition. Store away from incompatible materials described in Section 10. Keep containers closed when not in use
Store in cool location. Keep away from food and beverages. Protect from freezing and physical damage.
Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials.
Store in cool, dry place and keep container tightly closed. Do not store in direct sunlight.

SECTION 8: Exposure controls/personal protection

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Only those substances with limit values have been included below.

Occupational Exposure limit values:

No occupational exposure limits noted for the ingredient(s).

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Information on monitoring procedures:

Not determined or not applicable.

Appropriate engineering controls:

Effective ventilation in all processing areas.

Use local exhaust ventilation to maintain airborne concentrations below the TLV.

Personal protection equipment

Eye and face protection:

Safety goggles or safety glasses with side shields

Skin and body protection:

Impervious clothing, chemical resistant gloves

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory protection

General hygienic measures:

Handle in accordance with good industrial hygiene and safety measures. Wash hands and face after handling chemical products. Wash hands before eating, drinking and smoking. Wash hands at the end of the workday.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance	Liquid
Odor	Std.
Odor threshold	Not determined or not available.
pH	10
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.

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Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

Other information

SECTION 10: Stability and reactivity

Reactivity:

Stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability:

Stable under normal storage and handling conditions.

Possibility of hazardous reactions:

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid:

Incompatible materials.

Incompatible materials:

Strong oxidizing agents.

Hazardous decomposition products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

Acute toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Route	Result
Tetrasodium ethylenediamine tetraacetate	oral	LD50 mouse: 1210 mg/kg

Skin corrosion/irritation

Assessment:

Causes skin irritation.

Product data:

No data available.

Substance data:

Name	Result
Disodium metasilicate	Causes severe skin burns and eye damage.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Causes skin irritation.
Orange, sweet, ext.	Causes skin irritation.
Alcohols, C12-14-secondary, ethoxylated	Causes skin irritation.

Serious eye damage/irritation

Assessment:

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Causes serious eye irritation.

Product data:

No data available.

Substance data:

Name	Result
D-Glucopyranose, oligomers, decyl octyl glycosides	Causes serious eye damage.
Tetrasodium ethylenediamine tetraacetate	Causes serious eye damage.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Causes serious eye irritation.
Alcohols, C12-14-secondary, ethoxylated	Causes serious eye damage.

Respiratory or skin sensitization

Assessment:

May cause an allergic skin reaction.

Product data:

No data available.

Substance data:

Name	Result
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	May cause an allergic skin reaction.
Orange, sweet, ext.	May cause an allergic skin reaction.

Carcinogenicity

Assessment:

Suspected of causing cancer.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

National Toxicology Program (NTP): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Reproductive toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

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Product data:

No data available.

Substance data:

Name	Result
Disodium metasilicate	May cause respiratory irritation.

Specific target organ toxicity (repeated exposure)

Assessment:

May cause damage to organs through prolonged or repeated exposure.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data:

Name	Result
Orange, sweet, ext.	Maybe fatal if swallowed and enters airways.

Information on likely routes of exposure:

No data available.

Symptoms related to the physical, chemical and toxicological characteristics:

No data available.

Other information:

No data available.

SECTION 12: Ecological information

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Chronic (long-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data:

Name	Result
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	NOEC Oncorhynchus mykiss: 0.16 mg/L (28 days)
Alcohols, C12-15, ethoxylated	NOEC Fathead minnow: 0.16 mg/L (10 days)

Persistence and degradability

Product data: No data available.

Substance data:

Name	Result
D-Glucopyranose, oligomers, decyl octyl glycosides	Readily biodegradable.

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Name	Result
Disodium metasilicate	No biodegradation since inorganic substance.
Tetrasodium ethylenediamine tetraacetate	Biodegradable, but not ready biodegradable.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Readily biodegradable.
Orange, sweet, ext.	Readily biodegradable.
Alcohols, C12-15, ethoxylated	Readily biodegradable.

Bioaccumulative potential

Product data: No data available.

Substance data:

Name	Result
Disodium metasilicate	Bioaccumulation is expected.
Tetrasodium ethylenediamine tetraacetate	The projected equilibrium BCF values were similar to those observed in the plateau test and, again, serve to emphasize the extremely low bioconcentration potential of EDTA.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not expected to bioaccumulate.

Mobility in soil

Product data: No data available.

Substance data:

Name	Result
Tetrasodium ethylenediamine tetraacetate	The extent of absorption of EDTA on container walls and humic acid, silica, kaolin, river sediment and humus solids was measured and was found to be negligible.
1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Moderate to slow migration potential to ground water.

Other adverse effects: No data available.

SECTION 13: Disposal considerations

Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

Contaminated packages: Not determined or not applicable.

SECTION 14: Transport information

United States Transportation of dangerous goods (49 CFR DOT)

UN number	Not Regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None

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Packing group	None
Environmental hazards	None
Special precautions for user	None

International Maritime Dangerous Goods (IMDG)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	Not regulated
UN proper shipping name	Not regulated
UN transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None

SECTION 15: Regulatory information

United States regulations

Inventory listing (TSCA):

68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Listed
6834-92-0	Disodium metasilicate	Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Listed
8028-48-6	Orange, sweet, ext.	Not Listed
68131-40-8	Alcohols, secondary C11-15, ethoxylated	Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Listed

Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

SARA Section 302 extremely hazardous substances: Not determined.

SARA Section 313 toxic chemicals:

68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Not Listed
6834-92-0	Disodium metasilicate	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Not Listed

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61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
8028-48-6	Orange, sweet, ext.	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

CERCLA: Not determined.

RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

Massachusetts Right to Know:

68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Not Listed
6834-92-0	Disodium metasilicate	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Not Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
8028-48-6	Orange, sweet, ext.	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

New Jersey Right to Know:

68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Not Listed
6834-92-0	Disodium metasilicate	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
8028-48-6	Orange, sweet, ext.	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

New York Right to Know:

68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Not Listed
6834-92-0	Disodium metasilicate	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Not Listed

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61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
8028-48-6	Orange, sweet, ext.	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

Pennsylvania Right to Know:

68515-73-1	D-Glucopyranose, oligomers, decyl octyl glycosides	Not Listed
6834-92-0	Disodium metasilicate	Not Listed
64-02-8	Tetrasodium ethylenediamine tetraacetate	Listed
61789-40-0	1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts	Not Listed
8028-48-6	Orange, sweet, ext.	Not Listed
	Alcohols, secondary C11-15, ethoxylated	Not Listed
84133-50-6	Alcohols, C12-14-secondary, ethoxylated	Not Listed

California Proposition 65: None of the ingredients are listed.

SECTION 16: Other information

Abbreviations and Acronyms: None

Disclaimer:

This product has been classified in accordance with OSHA HCS 2012 guidelines. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

NFPA: 0-0-0

HMIS: 0-0-0

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End of Safety Data Sheet